

Appl. No. 09/630,896

Response Dated 21 May 2007

Reply to Office Action dated 21 February 2007

Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-14. (Canceled)

15. (Currently Amended) A radio communication system, comprising:

a primary station operable to transmit a random access channel status message indicating an availability of random access channel resources;

a plurality of secondary stations operable to receive the random access channel status message, wherein each secondary station is further operable to determine which random access channel resources to request based on the random access channel status message; and

wherein said primary station is further operable to dynamically allocate a bit rate to only a single random access channel, irrespective of the allocated bit rate, in response to a request for at least one random access channel resource from one of said plurality of secondary stations.

16. (Previously Presented) The radio communication system of claim 15,

wherein the random access channel status message further indicates which data rates are available on a first random access channel.

17. (Previously Presented) The radio communication system of claim 15,

wherein the random access channel status message further indicates a highest data rate available on a first random access channel.

18. (Previously Presented) The radio communication system of claim 15,

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wherein the random access channel status message is transmitted by said primary station as a part of a paging indicator channel.

19. (Previously Presented) The radio communication system of claim 15,

wherein the random access channel status message is transmitted by said primary station as a part of an acquisition indicator channel.

20. (Currently Amended) A primary station, comprising:

means for transmitting a random access channel status message to a plurality of secondary stations, wherein the random access channel status message indicates an availability of random access channel resources; and

means for dynamically allocating a bit rate to only a single random access channel, irrespective of the allocated bit rate, in response to a request from one of said plurality of secondary stations for at least one random access channel resource based on the random access channel status message.

21. (Previously Presented) The primary station of claim 20,

wherein the random access channel status message further indicates which data rates are available a first random access channel.

22. (Previously Presented) The primary station of claim 20,

wherein the random access channel status message further indicates a highest data rate available on a first random access channel.

23. (Previously Presented) The primary station of claim 20,

wherein the random access channel status message is transmitted by said primary station as a part of a paging indicator channel.

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24. (Previously Presented) The primary station of claim 20,
wherein the random access channel status message is transmitted by said primary station as a part of an acquisition indicator channel.
25. (Currently Amended) A secondary station, comprising:
means for receiving a random access channel status message from a primary station, wherein the random access channel status message indicates an availability of random access channel resources and further indicates a dynamic allocation of bit rates to random access channels by the primary station; and
means for requesting only a single random access channel from the primary station, irrespective of the dynamically allocated bit rate, based on the random access channel status message.
26. (Previously Presented) The secondary station of claim 25,
wherein the random access channel status message further indicates which data rates are available a first random access channel.
27. (Previously Presented) The secondary station of claim 25,
wherein the random access channel status message further indicates a highest data rate available on a first random access channel.
28. (Previously Presented) The secondary station of claim 25,
wherein the random access channel status message is transmitted by the primary station as a part of a paging indicator channel.
29. (Previously Presented) The secondary station of claim 25,
wherein the random access channel status message is transmitted by the primary station as a part of an acquisition indicator channel.

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30. (Currently Amended) A radio communication method, comprising:

transmitting from a primary station, a random access channel status message indicating the availability of random access channel resources;
receiving at a secondary station, the random access channel status message;
determining at the secondary station, what random access channel resources are available at the primary station based on the received random access channel status message;
requesting at the secondary station, a random access channel resource from the primary station based on the determination; and
dynamically allocating a bit rate at the primary station to only a single random access channel, irrespective of the dynamically allocated bit rate, in response to the request for the random access channel resource from the secondary station.

31. (Previously Presented) The radio communication method of claim 30,

wherein the random access channel status message further indicates which data rates are available a first random access channel.

32. (Previously Presented) The radio communication method of claim 30,

wherein the random access channel status message further indicates a highest data rate available on a first random access channel.

33. (Previously Presented) The radio communication method of claim 30,

wherein the random access channel status message is transmitted by the primary station as a part of a paging indicator channel.

34. (Previously Presented) The radio communication method of claim 30,

wherein the random access channel status message is transmitted by the primary station as a part of an acquisition indicator channel.